ABSTRACT

An implantable infusion pump to deliver stored infusate to a desired fluid delivery site. The pump includes a collapsible fluid chamber. The pump can include a multi-stage filtration system to filter micro-emboli as well as larger particles that are inadvertently introduced into the pump system. An external member can receive the pump and provide a medium to include additional, interactive components, e.g., a bolus port, as well as provide a versatile suture structure to enable the pump to be properly secured within an implantation site. To improve volumetric efficiency, the pump can further incorporate an outlet flow passage within a movable wall of the fluid chamber.